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	Filing Date		2005-04-15	
	First Named Inventor	Cynthia Roberts, et al.		
	Art Unit	3769		
	Examiner Name	Farah, Ahmed M.		
	Attorney Docket Number	OSU 0010 PA/41096.25		

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1	10/539,181 - Office Action mailed 2011/03/07 (9 pages)	<input type="checkbox"/>
2	Amm M et al., Refractive changes after phototherapeutic keratectomy, J Cataract Refract Surg. 1997; 23:839-844.	<input type="checkbox"/>
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5	Bryant MR et al., Finite element analysis of corneal topographic changes after excimer laser phototherapeutic keratectomy, Invest Ophthalmol Vis Sci 1993; 31 (suppl):804.	<input type="checkbox"/>
6	Bryant MR et al., Mathematical models of picosecond laser keratomileusis for high myopia, Journal of Refractive Surgery, vol. 16, 2000, p. 155-162.	<input type="checkbox"/>
7	Campos M et al., Clinical follow-up of phototherapeutic keratectomy for treatment of corneal opacities, Am J Ophthalmol. 1993; 115:433-440.	<input type="checkbox"/>
8	Dupps WJ, Chemo-mechanical modification of the corneal response to photokeratectomy [dissertation]. Columbus (OH): The Ohio State University, 1998.	<input type="checkbox"/>
9	Dupps WJ, Peripheral stromal expansion and anterior corneal flattening in phototherapeutic keratectomy: an in vitro human study [thesis], Columbus (OH): The Ohio State University, 1995.	<input type="checkbox"/>
10	Ehlers N, Studies on the hydration of the cornea with special reference to the acid hydration, Acta Ophthalmol. 1966; 44:924-925.	<input type="checkbox"/>
11	Ehlers N, The fibrillary texture and the hydration of the cornea, Acta Ophthalmol 1966; 44:620-630.	<input type="checkbox"/>

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12	Fagerholm P et al., Phototherapeutic keratectomy: long-term results in 166 eyes, Refract Corneal Surg. 1993; 9(suppl): S76-81.	<input type="checkbox"/>
13	Fahd AK, Effects of phototherapeutic keratectomy on peripheral corneal thickness [ARVO Abstract], Invest Ophthalmol Vis Sci.1996; 37(3):S568 nr 2609.	<input type="checkbox"/>
14	Gartry D et al., Excimer laser treatment of corneal surface pathology: a laboratory and clinical study, Br J Ophthalmol. 1991; 75:258-269.	<input type="checkbox"/>
15	Gilbert ML et al., Corneal flattening by shallow circular trephination in human eye bank eyes, Refract Corneal Surg 1990; 6:113-116.	<input type="checkbox"/>
16	Gilbert ML et al., Human corneal steepening by annular keratotomy, Invest Ophthalmol Vis Sci1989; 30(suppl):186.	<input type="checkbox"/>
17	Hahn TW et al., Phototherapeutic keratectomy in 9 eyes with superficial corneal diseases, Refract Corneal Surg. 1993; 9(suppl): S115-118.	<input type="checkbox"/>
18	Hanna KD et al., Preliminary computer simulation of the effects of radial keratotomy, Arch Ophthalmol 1989; 107:911-918.	<input type="checkbox"/>
19	Hedbys BO et al., A new method for the determination of the swelling pressure of the corneal stroma in vitro, Exp Eye Res 1963; 2:122-129.	<input type="checkbox"/>
20	Hedbys BO et al., Flow of water in the corneal stroma, Exp Eye Res 1962; 1:262-275.	<input type="checkbox"/>
21	Hedbys BO et al., The imbibition pressure of the corneal stroma, Exp Eye Res 1963; 2:99-111.	<input type="checkbox"/>
22	Hee MR et al., Quantitative assessment of macular edema with optical coherence tomography, Arch Ophthalmology 1995; 113: 1019-1029.	<input type="checkbox"/>

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23	Hee MR et al., Optical coherence tomography for ophthalmic imaging, IEEE Engineering in Medicine and Biology 1995; 14: 67-76.	<input type="checkbox"/>
24	Hee MR et al., Topography of diabetic macular edema with optical coherence tomography, Ophthalmology, 1998, Vol. 15, 2: 360-370.	<input type="checkbox"/>
25	Hersh PS et al., Phototherapeutic keratectomy: strategies and results in 12 eyes, Refract Corneal Surg. 1993; 9 (suppl):S90-95.	<input type="checkbox"/>
26	Hjortdal JO, Region elastic performance of the human cornea, Journal of Biomechanics (1996) 29, 931-942.	<input type="checkbox"/>
27	Huang D et al., Optical coherence tomography, Science 1991; 254: 1178-1181.	<input type="checkbox"/>
28	Izatt, J et al., Micrometer-Scale Resolution Imaging of the Anterior Eye in Vivo with Optical Coherence Tomography, Arch Ophthalmol, vol. 112, Dec. 1994 (6 pages)	<input type="checkbox"/>
29	Jakus MA, The fine structure of the human cornea, In: Smelser GK, ed, The Structure of the Eye, New York, NY: Academic Press, 1961.	<input type="checkbox"/>
30	Jue B, et al., The mechanical properties of the rabbit and human cornea, J Biomechanics 1986; 19:847-853.	<input type="checkbox"/>
31	Kanai A et al., Electron microscopic studies of swollen corneal stroma, Ann Ophthalmol 1973; 5:178-190.	<input type="checkbox"/>
32	Klyce SD et al., In vivo determination of corneal swelling pressure, Exp EyeRes 1971; 11:220-229.	<input type="checkbox"/>
33	Koers DM, The measurement of human corneal thickness by photography [master's thesis]. Columbus, OH: The Ohio State University; 1982.	<input type="checkbox"/>

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34	Lembach, poster presentation, The Refractive Effect of the Flap in Laser in situ keratomileusis (LASIK), 2001	<input type="checkbox"/>
35	Lindstrom RL et al., Six-month results of hyperopic and stigmatic LASIK in eyes with primary and secondary hyperopia, Tr AM Ophth Soc 1999, XCVII:241-260.	<input type="checkbox"/>
36	Litwin KL et al., Changes in corneal curvature at different excimer laser ablative depths, Am J Ophthalmol. 1991; 111:382-384.	<input type="checkbox"/>
37	MacRae SM et al., Large optical zone ablation treatment of myopia in the Oregon-Kansas study, Investigative Ophthalmology and Visual Sciences Suppl. 1999; 40(4):S588. [Abstract #3087].	<input type="checkbox"/>
38	Mahmoud AM et al., poster presentation, The Ohio State University Corneal Topography Tool. Abstract, Invest Ophthalmol Vis Sci 2000; 41:S677.	<input type="checkbox"/>
39	Maloney RK, A prototype erodible mask delivery system for the excimer laser, Ophthalmology 1993; 100:542-549.	<input type="checkbox"/>
40	Marshall J et al., An untrastructural study of corneal incisions induced by an excimer laser at 193 nm, Ophthalmol 1985; 92:749-758.	<input type="checkbox"/>
41	Maurice DM et al, Cohesive strength of corneal lamellae, Exp Eye Res 1990; 50:59-63.	<input type="checkbox"/>
42	Maurice DM, The cornea and sclera. In: Davson H, ed, The eye. Vol. 1b: vegetative physiology and biochemistry. Orlando, FL: Academic Press, 1984:1-158.	<input type="checkbox"/>
43	Maurice DM, The movement of fluorescein and water in the cornea, Am J Ophthalmol 1960; 49:1011-1019.	<input type="checkbox"/>
44	McDonnell PJ et al., Phototherapeutic keratectomy with excimer laser for Reis-Buckler's corneal dystrophy, Refract Corneal Surg. 1992; 8:306-310.	<input type="checkbox"/>

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45	Mishima S et al., The effect of normal evaporation on the eye, Exp Eye Res 1961; 1:46-52.	<input type="checkbox"/>
46	Mishima S et al., The permeability of the corneal epithelium and endothelium to water, Exp Eye Res 1967; 6:10-32.	<input type="checkbox"/>
47	O'Brart DPS et al., Treatment of band keratopathy by excimer laser phototherapeutic keratectomy: surgical techniques and long term follow up, Br J Ophthalmol. 1993; 77:702-708.	<input type="checkbox"/>
48	Örndahl M et al., Treatment of corneal dystrophies with excimer laser, Acta Ophthalmol. 1994; 72:235-240.	<input type="checkbox"/>
49	Pinsky PM et al., A microstructurally-based mechanical model of the human cornea with application to keratotomy, Invest Ophthalmol Vis Sci 1994; 31 (suppl): 1296.	<input type="checkbox"/>
50	Polack FM, Morphology of the cornea, I: study with silver stains, Am J Ophthalmol. 1961; 51:179.	<input type="checkbox"/>

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